

Figure 1

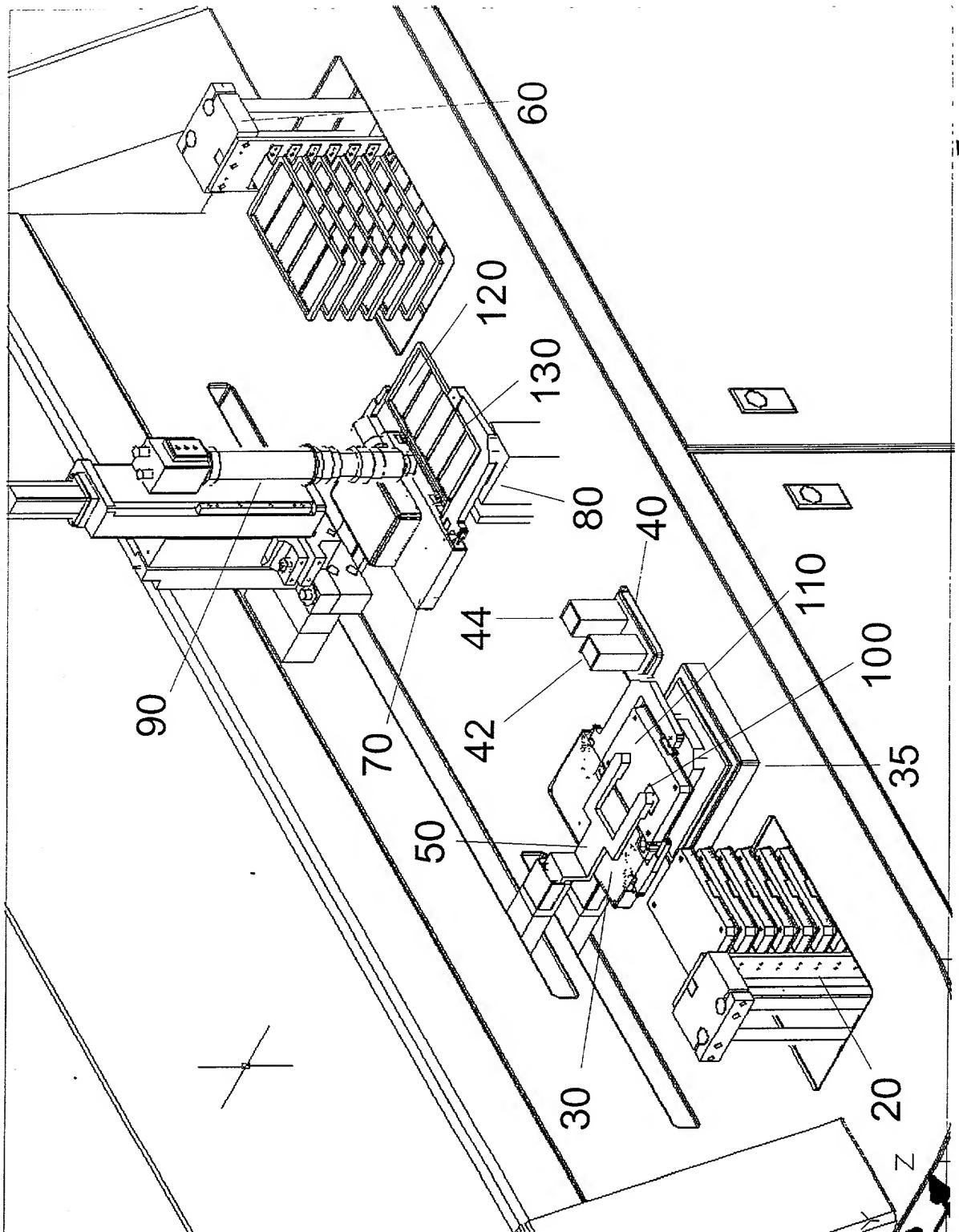
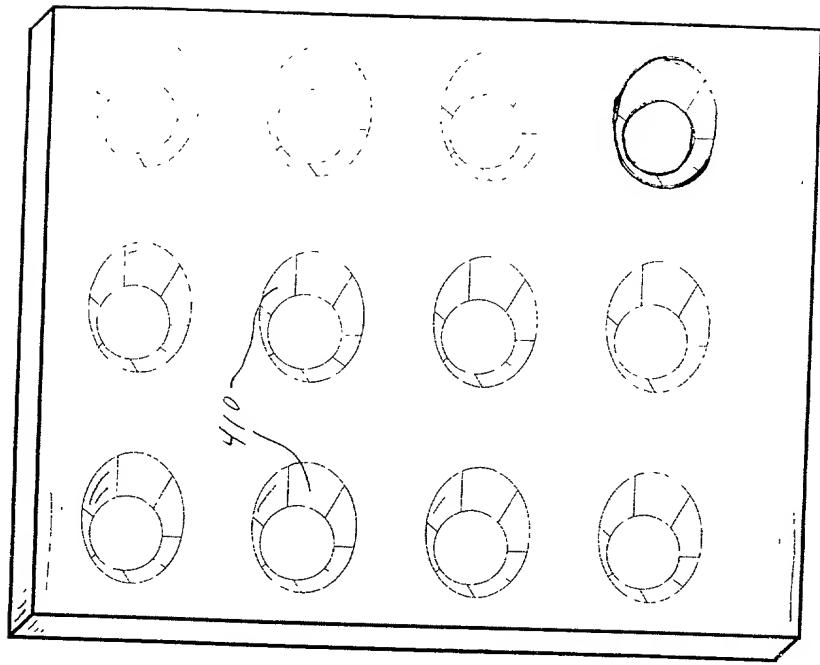


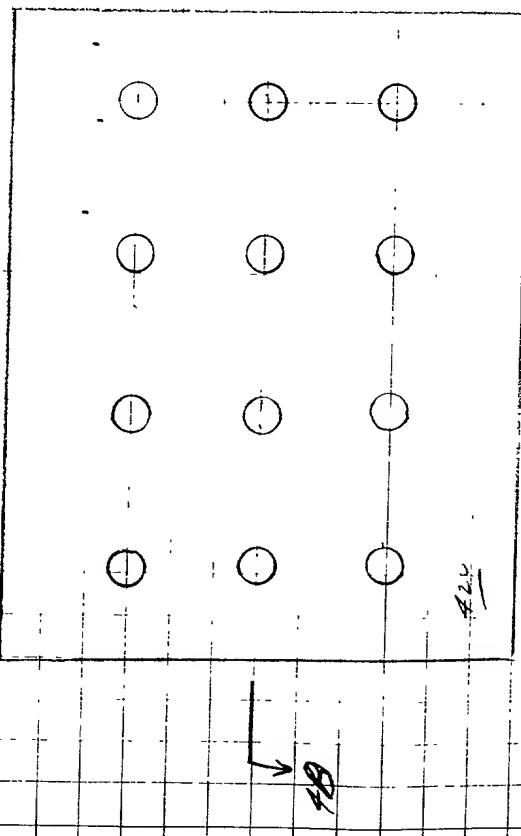
Figure 2

Sheet 2 of 11

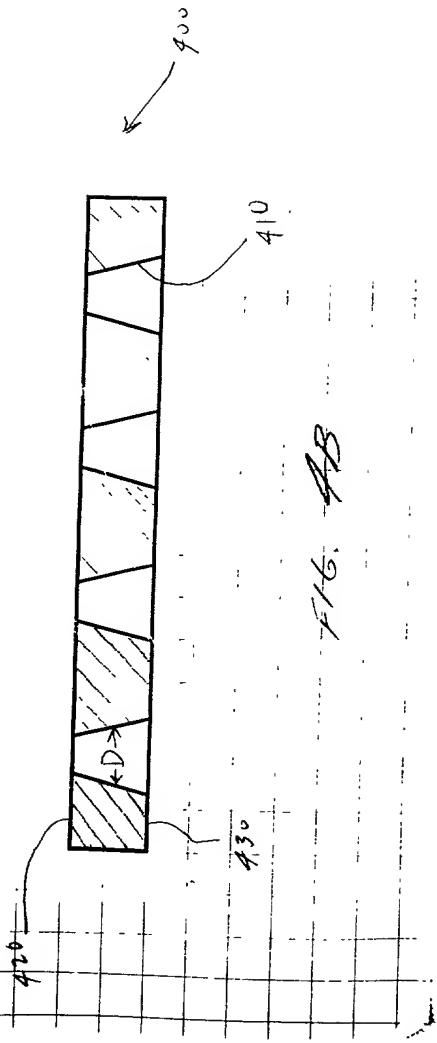
Title: APPARATUS AND METHOD FOR COMPOSING HIGH DENSITY MATERIALS onto TARGET SUBSTRATES BY A RAPID SEQUENCE
Inventor: Roger O. WILLIAMS
Application No.: To Be Assigned
Docket No.: 514542001500



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Title: APPARATUS AND METHOD FOR COMPOSING HIGH DENSITY MATERIALS onto TARGET SUBSTRATES BY A RAPID SEQUENCE Application No.: To Be Assigned
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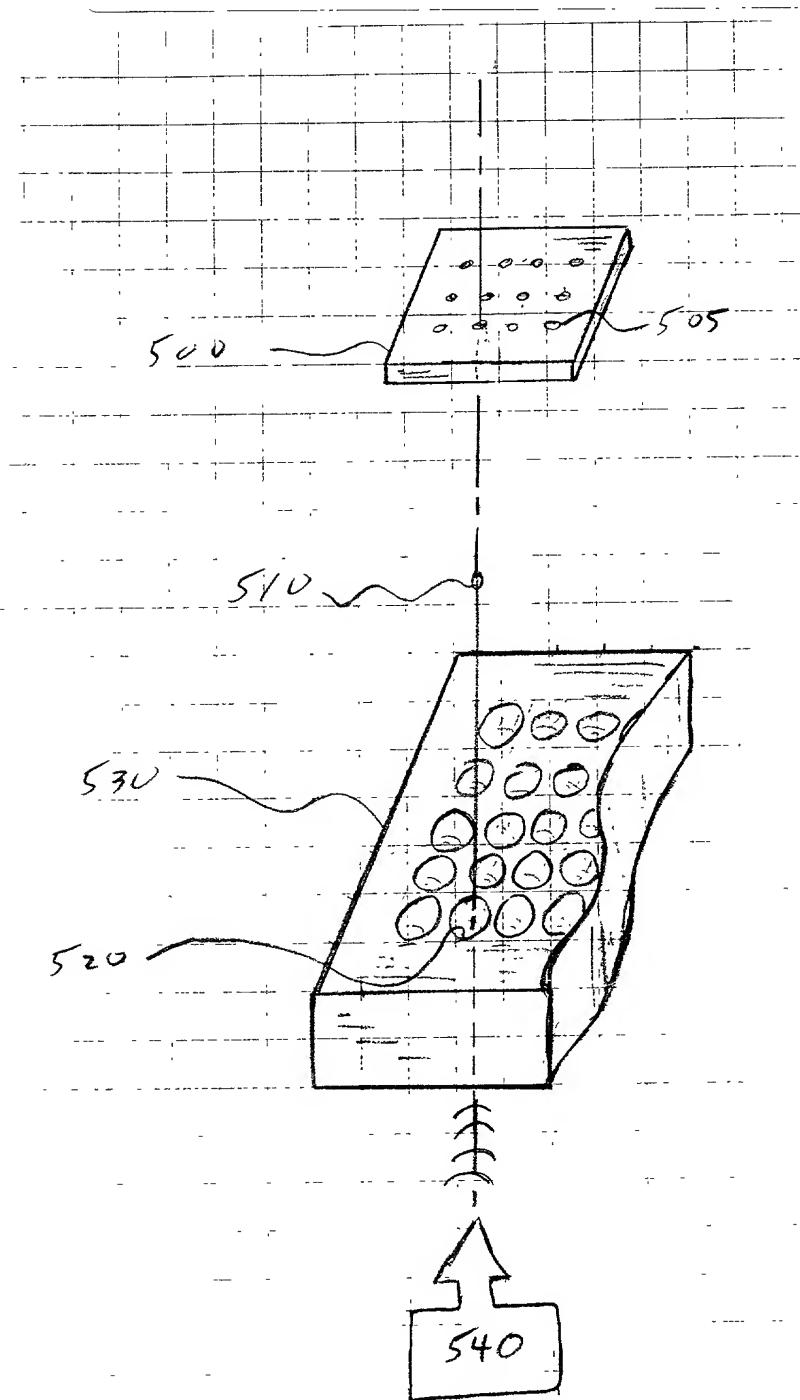


FIG 5

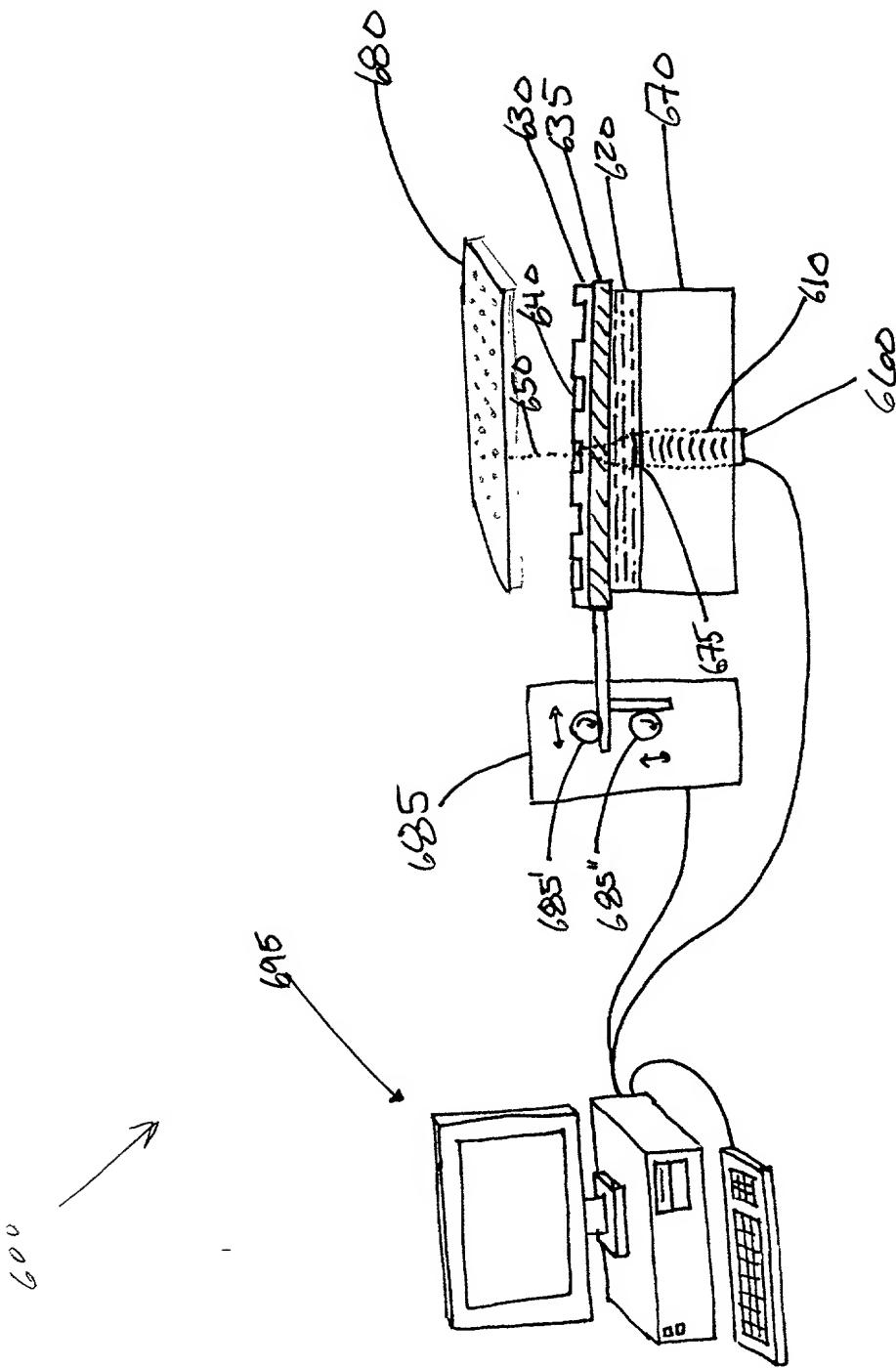
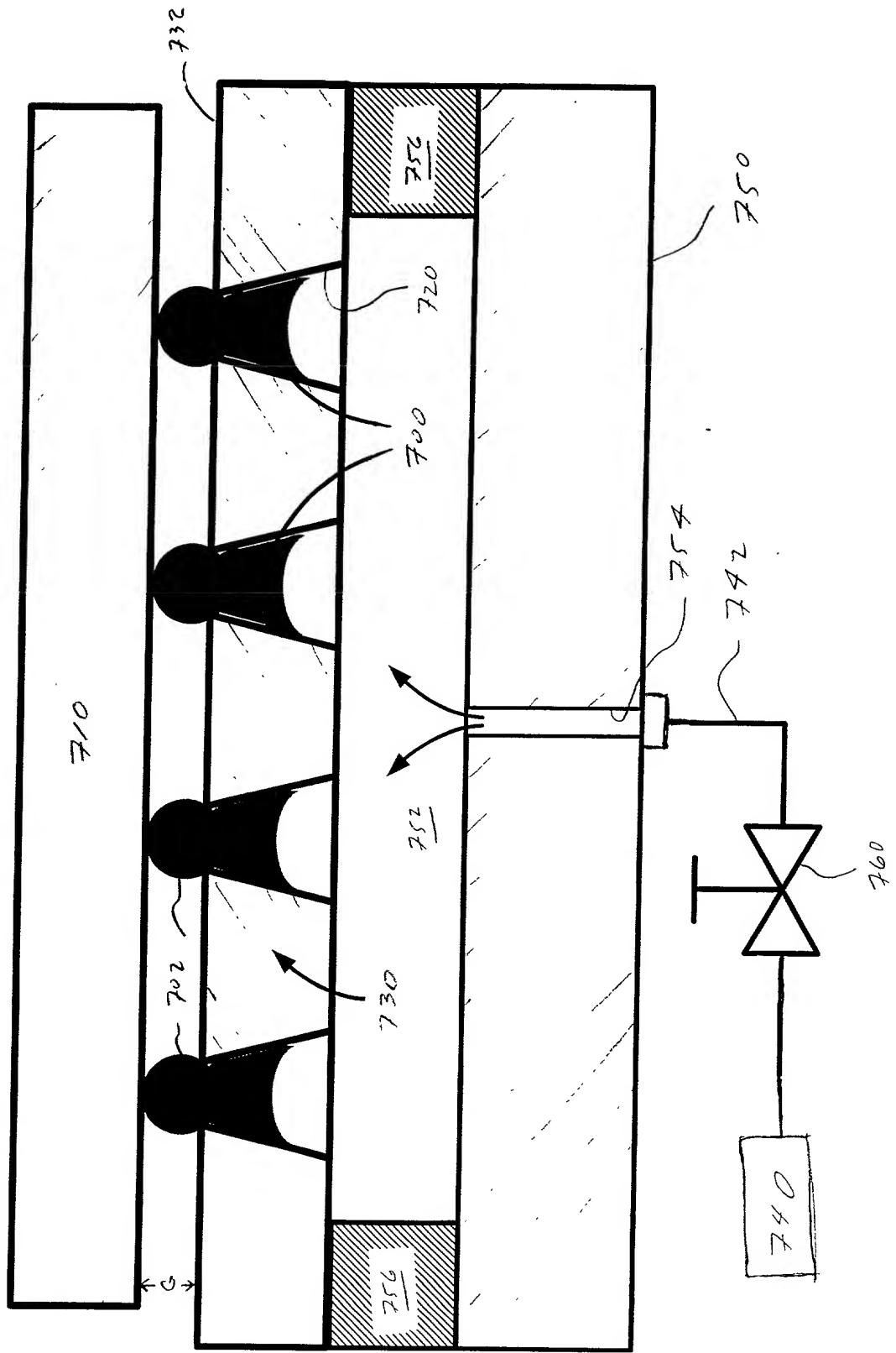
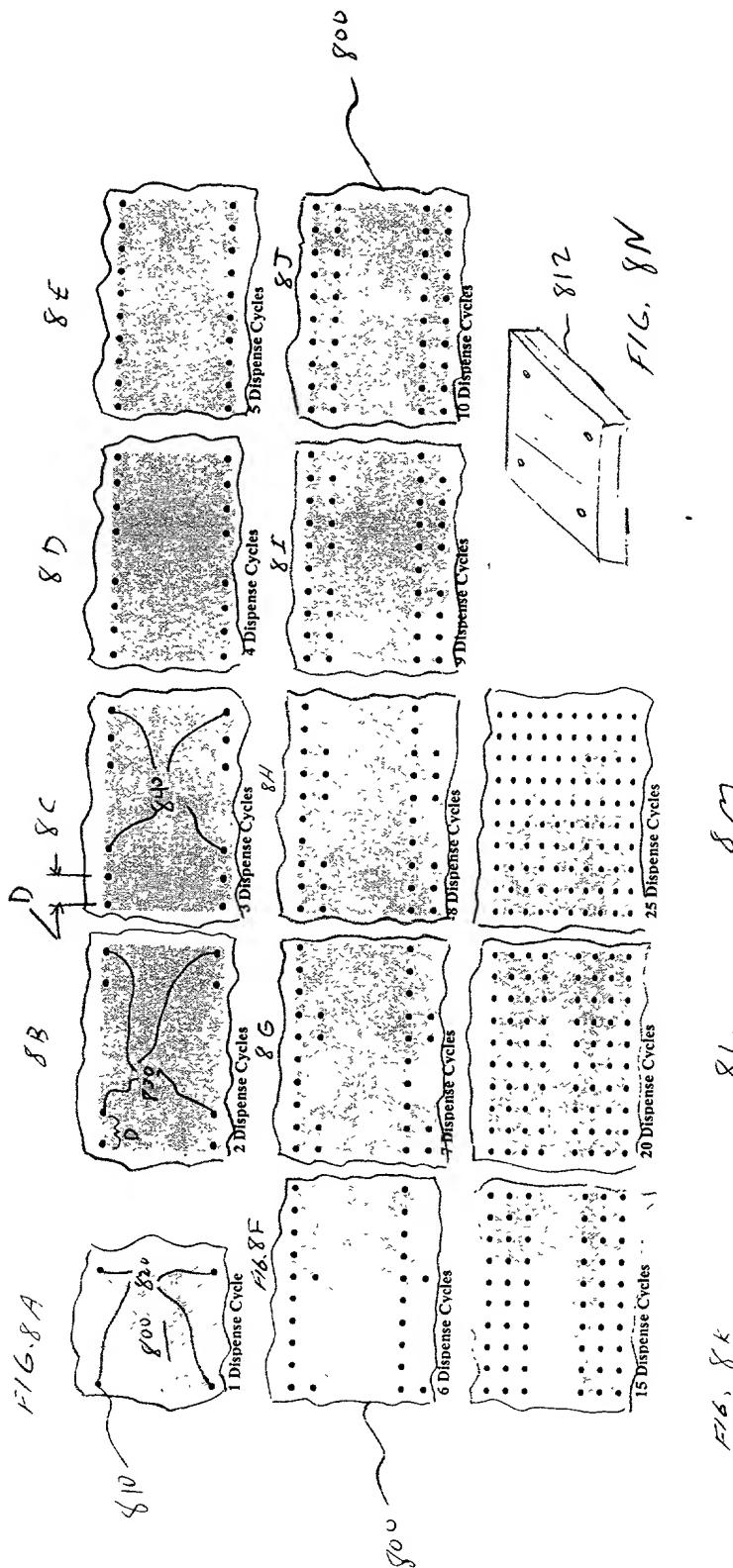


FIG. 6





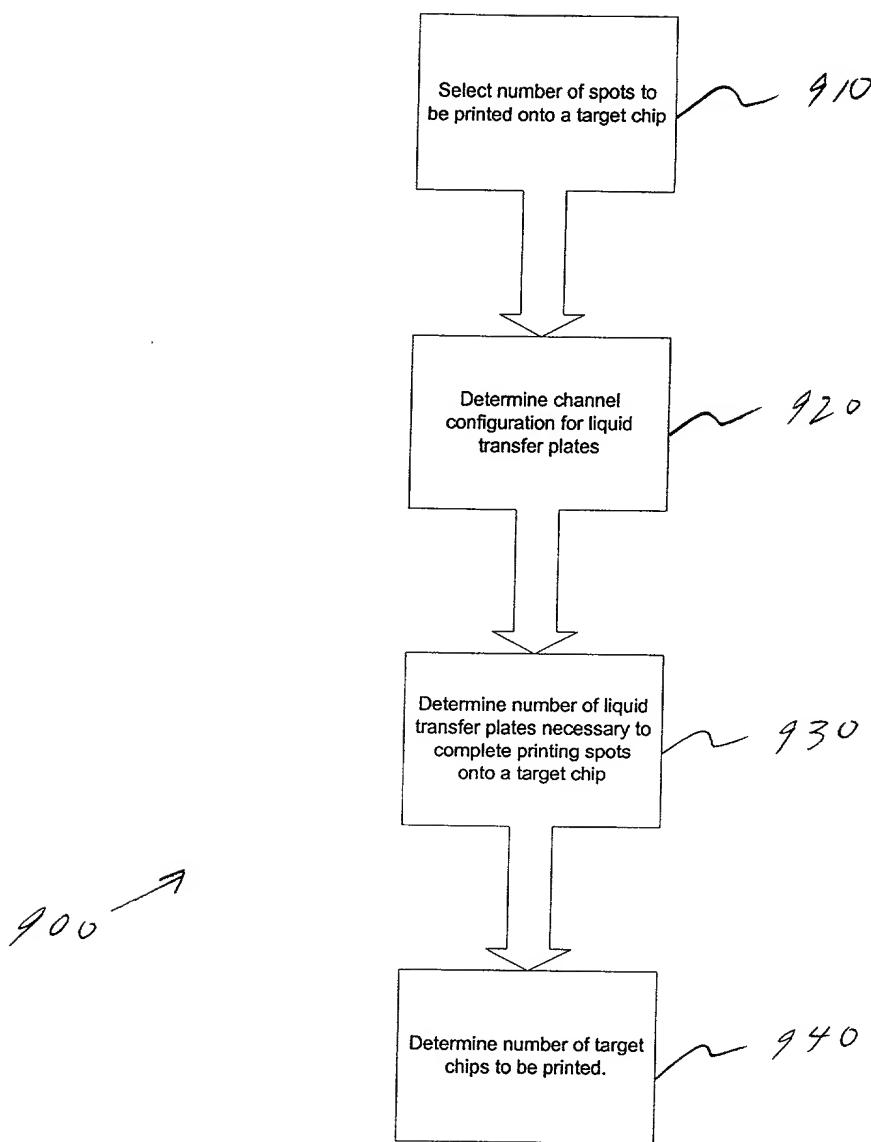


FIG. 9A

| Nc | Nr | Run | C _{TAin} | | C _{TAm} | | C _{TBm} | | C _{TBn} | | C _{TAm} | | C _{TBm} | |
|----|----|-------|-------------------|---|------------------|---|------------------|---|------------------|---|------------------|---|------------------|---|
| | | | N.A. | X | N.A. | X | N.A. | X | N.A. | X | N.A. | X | N.A. | X |
| 20 | X | 1.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 1.0 | X |
| 20 | X | 2.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 3.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 4.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 6.0 | N.A. | X | 5.4 | X | 2.2 | X | 5.4 | X | 2.4 | X | 2.0 | X |
| 20 | X | 7.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 8.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 9.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 10.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 12.0 | N.A. | X | 1.8 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 14.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 16.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 18.0 | 1.8 | X | 1.6 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 19.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 20.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 21.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 24.0 | 1.8 | X | 2.1 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 26.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 28.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 31.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 33.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 36.0 | 1.8 | X | 3.2 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 38.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 40.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 43.2 | N.A. | X | 4.3 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 48.0 | 1.8 | X | 5.2 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 50.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 52.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 55.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 57.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 60.0 | 1.8 | X | 5.4 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 62.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 64.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 67.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 69.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 72.0 | 1.8 | X | 6.4 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 74.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 76.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 79.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 81.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 84.0 | N.A. | X | 7.5 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 86.4 | N.A. | X | 8.6 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 88.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 91.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 93.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 96.0 | 1.8 | X | 8.6 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 100.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 103.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 105.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 108.0 | 1.8 | X | 9.7 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 110.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 112.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 115.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 117.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 120.0 | 1.8 | X | 10.0 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 122.4 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 124.8 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 127.2 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 129.6 | N.A. | X | N.A. | X | N.A. | X | N.A. | X | 2.4 | X | 2.0 | X |
| 20 | X | 132.0 | 1.8 | X | 11.8 | X | 2.2 | X | N.A. | X | 2.4 | X | 2.0 | X |

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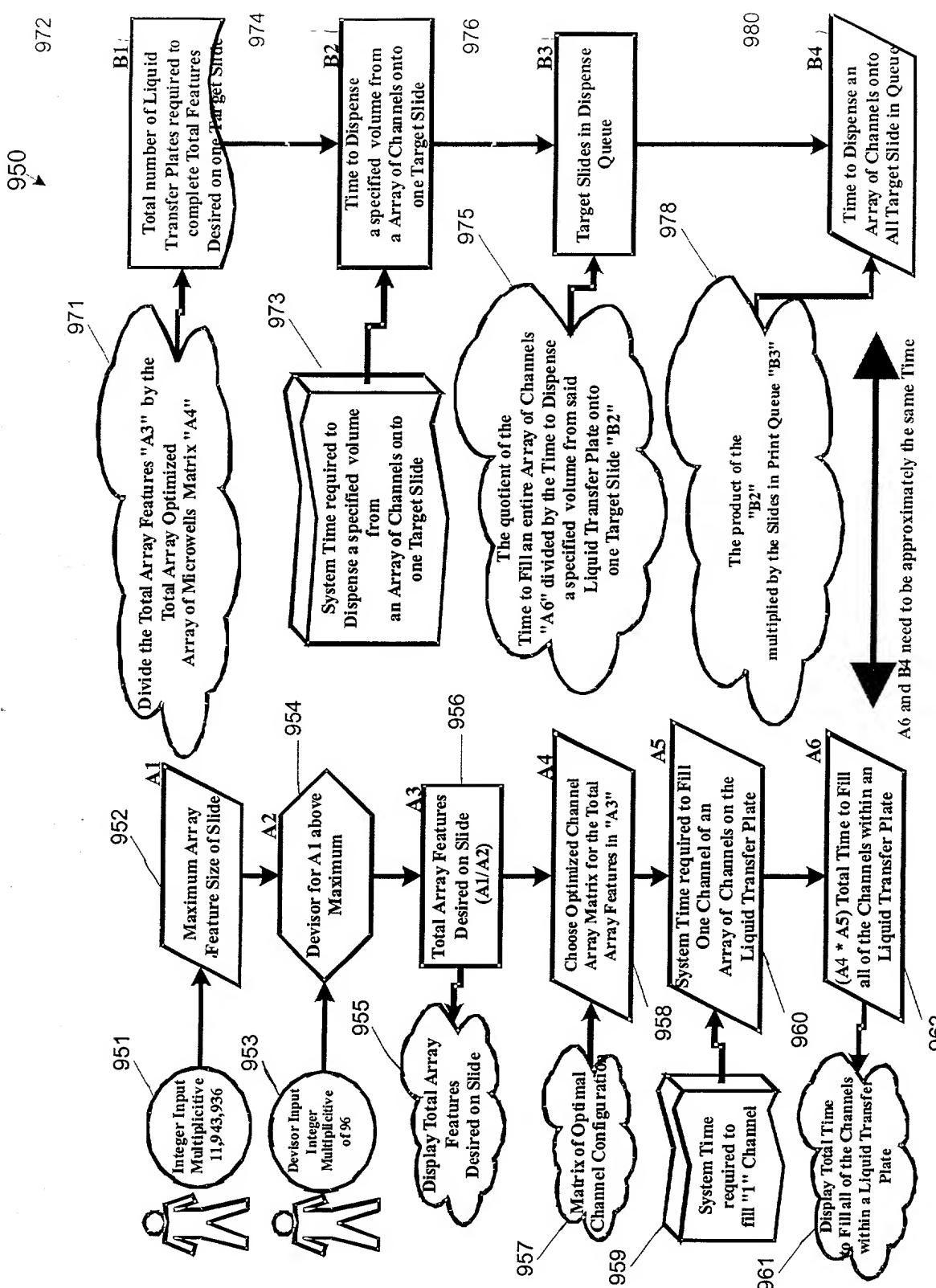


Figure 9C

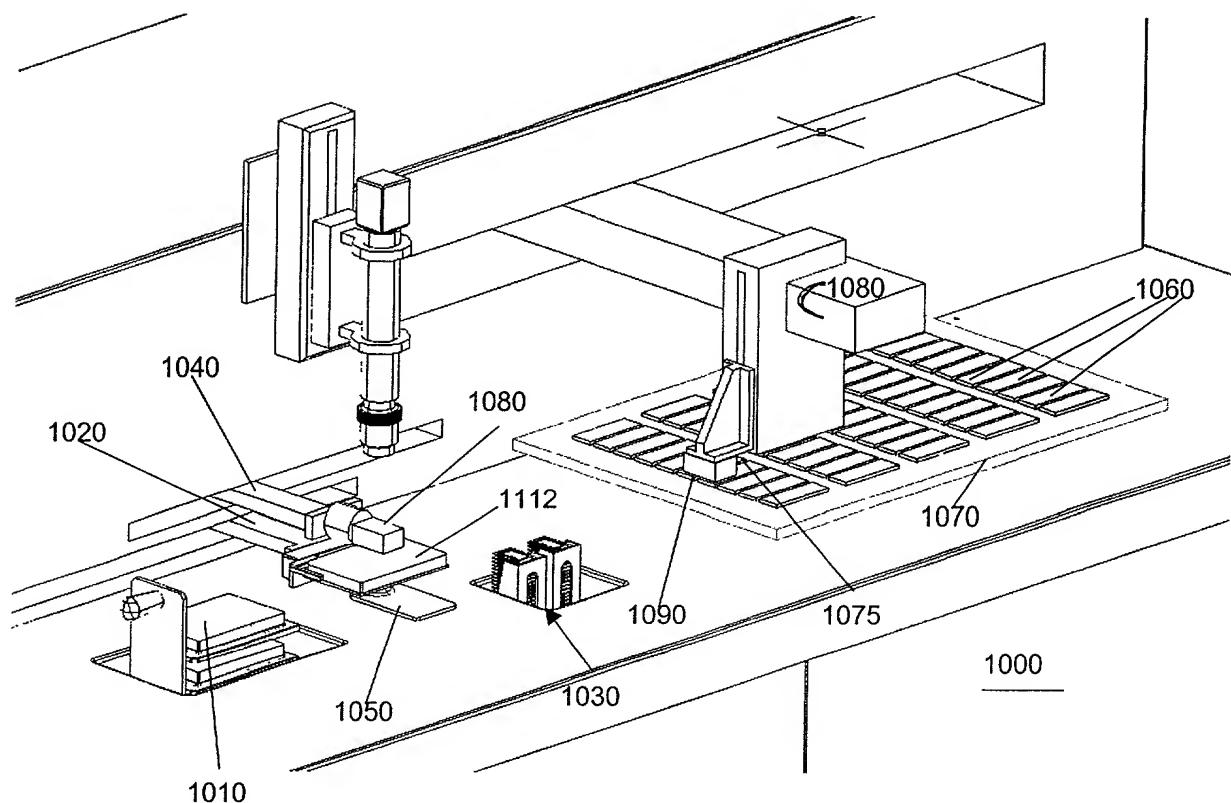


Figure 10A

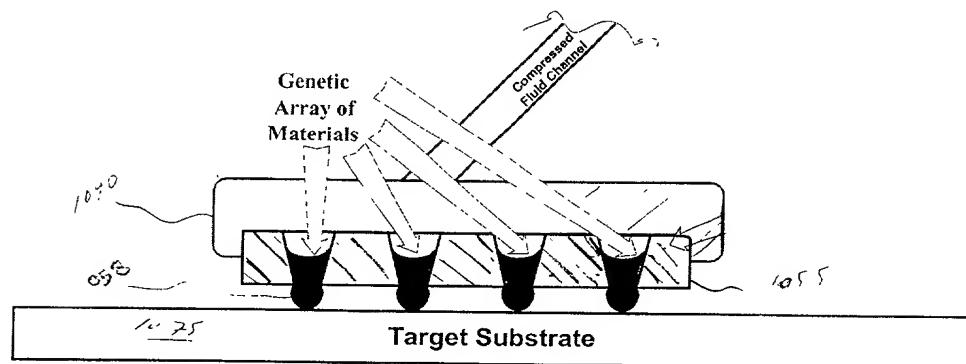


Figure 10B